/ Descriptions

TOLT-16L N

N-Channel MOSFET in a TOLT-16L Plastic Package .

/ Features

V_{DS}(V)=60V I_D=860A

$R_{DS(ON)}$@10V≤0.5mΩ(Typ. 0.38 mΩ)

$R_{DS(ON)}$@6V≤0.9mΩ(Typ. 0.66 mΩ)

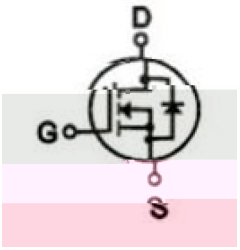
HF Product.

/ Applications

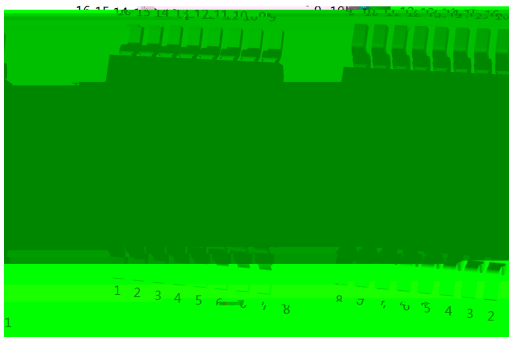
BMS

BMS, Drones, High power inverter system, Light electric vehicles.

/ Equivalent Circuit



/ Pinning



PIN1 2 3 4 5 6 7 S PIN8 G PIN9 10 11 12 13 14 15 16 Tab D

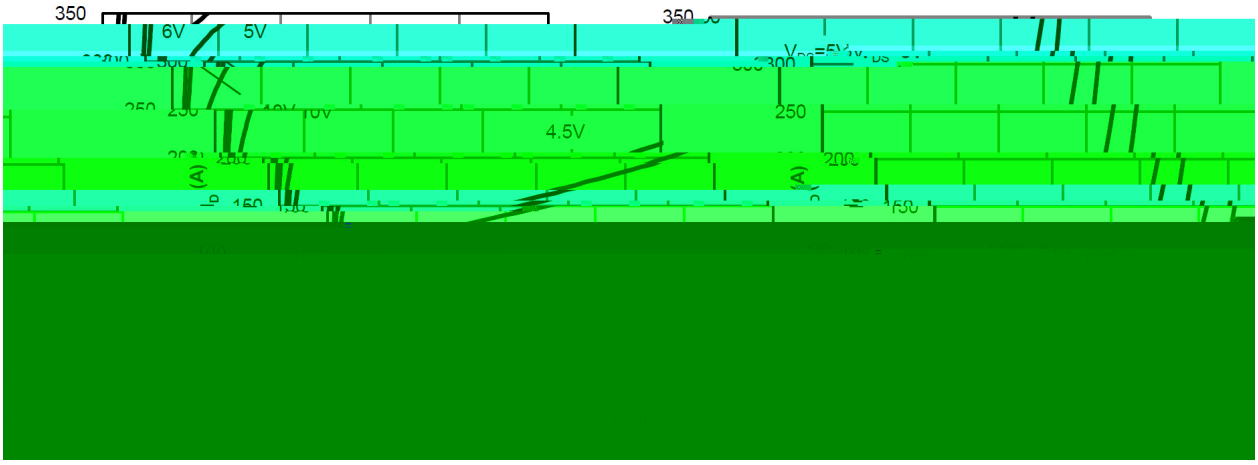
/ Marking

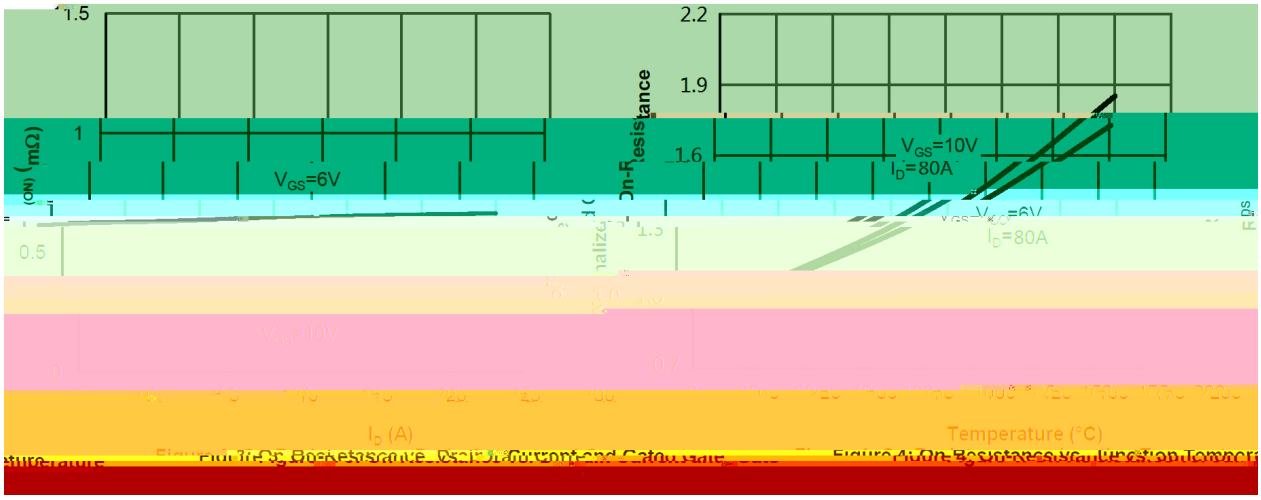
See Marking Instructions.

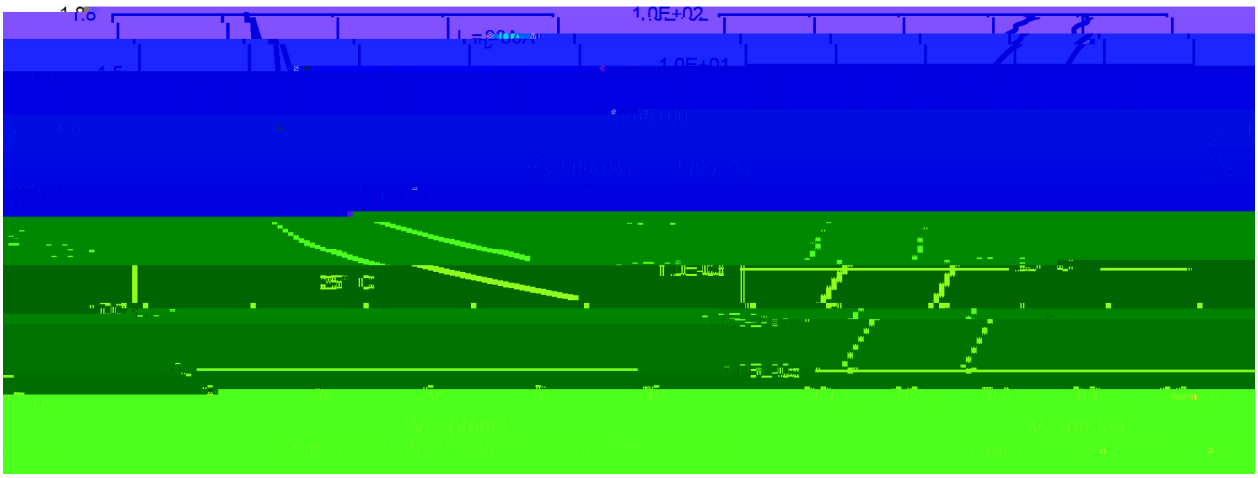
Parameter	Symbol	Rating	Unit

BRCS005N06SHTP

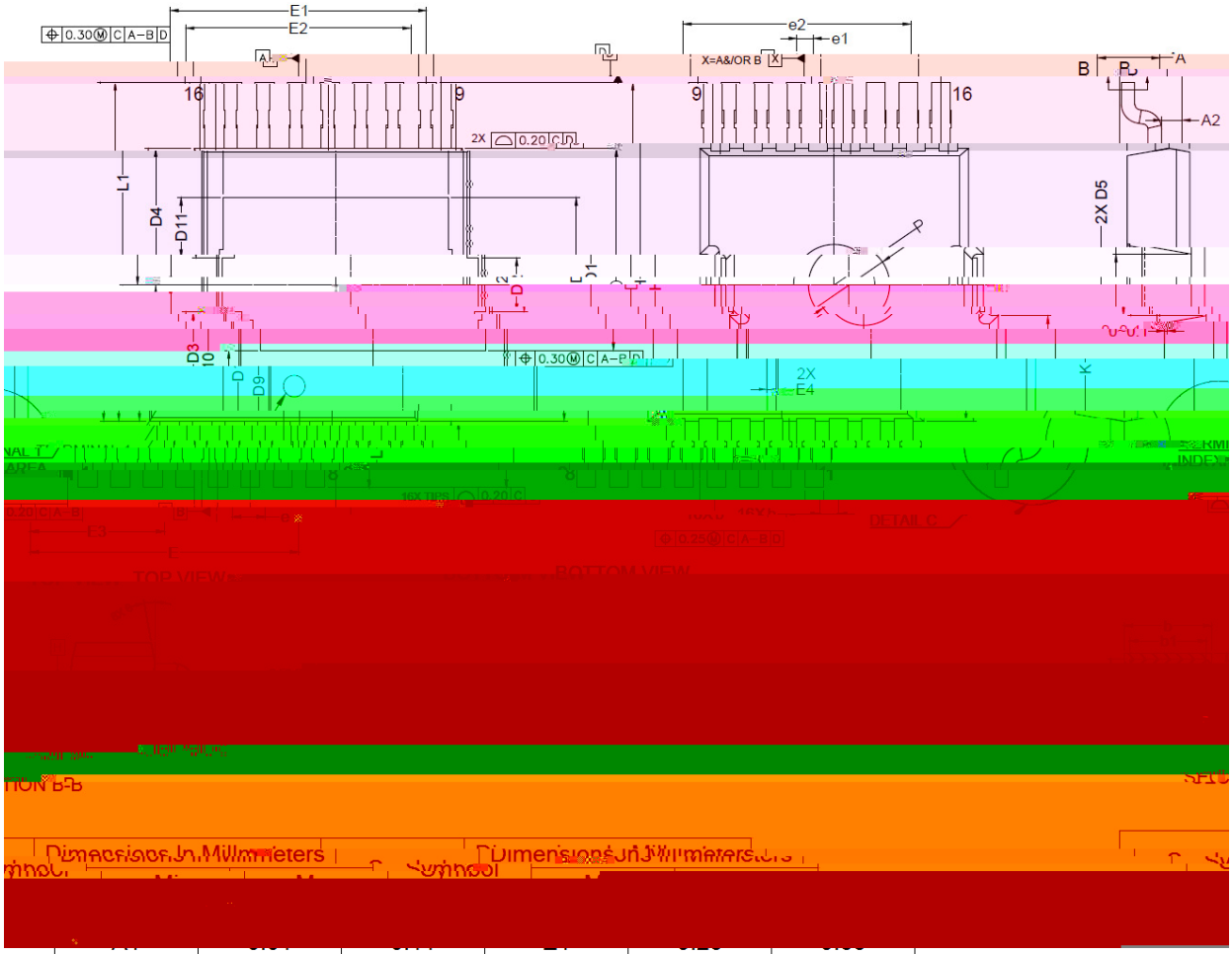
/ Electrical Characteristic Curve







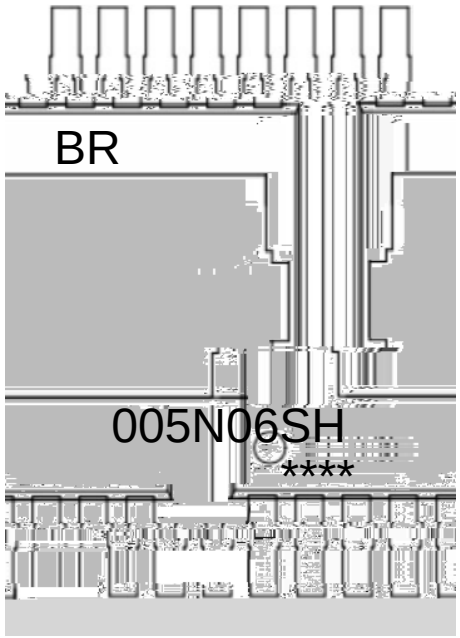
/ Package Dimensions



Dimensions In Millimeters

Symbol	Min	Max	Symbol	Min	Max
A2	0.56	0.96	E2	8.10	8.50
b	0.60	0.85	E3	4.75	5.15
b1	0.60	0.80	E4	0.20	0.60
c	0.45	0.60	e1	0.60 BSC	
D	10.00	10.30	e2	2.40 BSC	
D1	5.47	5.87	H	14.80	15.20
D2	1.80	2.20	K	3.71	4.11
L1	2.30	2.70	D4	5.00	5.12
2.42	2.82	R	0.07		D9
3.85	4.25	P	2.90	3.10	D10
2.04	2.44	θ	4°	10°	D11

/ Marking Instructions



BR

005N06SH

****

Note:

BR:	Company Code
005N06SH:	Product Type Code
****:	Lot No. Code, code change with Lot No.

BRCS005N06SHTP

Rev.A Mar.-2026